CLAIMS

- 1. A communication control apparatus comprising:
 - a detection section that detects at least one of
- 5 a radio environment or a network environment;
 - a management section that stores a detected radio environment or network environment, and monitors whether or not a change has occurred in said radio environment or said network environment; and
- a control section that performs application communication service control when a change has occurred in said radio environment or said network environment.
- 2. The communication control apparatus according to 15 claim 1, wherein:

said management section monitors environment changes in a lower layer than a transport layer in an OSI (Open System Interconnection) hierarchical model; and

- said control section performs communication service control by means of an application layer in accordance with an environment change in a lower layer than said transport layer.
- 25 3. The communication control apparatus according to claim 1, wherein said control section comprises:
 - a determination section that determines which environment has changed of a radio environment of radio

communication performed by said communication control apparatus and a network environment to which said communication control apparatus belongs; and

a decision section that decides on a control

5 operation for changing service when a change of said radio environment or said network environment satisfies a predetermined condition.

- 4. The communication control apparatus according to claim 3, wherein said determination section determines whether or not any one of a network to which said communication control apparatus belongs, field intensity, auser-specified item, or a modulation scheme has changed.
- The communication control apparatus according to claim 3, wherein said decision section changes operation relating to any one of service quality in network transmission, signaling information transmission/reception, or transmit data
 transmission/reception.
 - 6. The communication control apparatus according to claim 3, wherein:

said control section changes further comprises a notification section that, when negotiation with a communicating station is necessary, notifies said communicating station that a call involving said communicating station is to be updated; and

said decision section decides on a control operation after a call has been updated.

- 7. A communication terminal apparatus comprising the communication control apparatus according to claim 1.
 - 8. A server apparatus comprising the communication control apparatus according to claim 1.
- 10 9. A communication control method comprising:

a step of detecting at least one of a radio environment or a network environment;

a step of storing a detected radio environment or network environment and monitoring whether or not a change has occurred in said radio environment or said network environment; and

a step of performing application communication service control when a change has occurred in said radio environment or said network environment.

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